

3658 56392

SEARCH REQUEST FORM Scientific and Technical Information Center - EIC2800

Rev. 8/27/01 This is an experimental format -- Please give suggestions or comments to Jeff Harrison, CP4-9C18, 306-5429.

Date <u>12/4/01</u>	Serial # <u>09/742,393</u>	Priority Application Date <u>12/4/96</u> <u>4/10/96</u> <u>3/17/97</u>
Your Name <u>Dickens</u>		Examiner # <u>73432</u>
AU <u>2855</u>	Phone <u>5-7047</u>	Room <u>8D32</u>
In what format would you like your results? Paper is the default. PAPER DISK <u>EMAIL</u>		

If submitting more than one search, please prioritize in order of need.

The EIC searcher normally will contact you before beginning a prior art search. If you would like to sit with a searcher for an interactive search, please notify one of the searchers.

12-10-01 A11:34 IN

Where have you searched so far on this case?

Circle: USPT DWPI EPO Abs JPO Abs IBM TDB

Other: _____

What relevant art have you found so far? Please attach pertinent citations or Information Disclosure Statements. _____

What types of references would you like? Please checkmark:

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Secondary Refs _____	Foreign Patents _____	_____
Teaching Refs _____	_____	_____

What is the topic, such as the **novelty**, motivation, utility, or other specific facets defining the desired **focus** of this search? Please include the concepts, synonyms, keywords, acronyms, registry numbers, definitions, structures, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract and pertinent claims.

I need a litigation search for this reissue application.

Staff Use Only

Searcher: HARRISON

Searcher Phone: 306-5429

Searcher Location: STIC-EIC2800, CP4-9C18

Date Searcher Picked Up: 12-11-01

Date Completed: 12-11-01

Searcher Prep/Rev Time: 15

Online Time: 10

Type of Search

Structure (#) _____

Bibliographic _____

Litigation X

Fulltext _____

Patent Family _____

Other _____

Vendors

STN _____

Dialog X

Questel/Orbit X

Lexis-Nexis X

WWW/Internet _____

Other _____

12/11/01

Re: 09/742,393

Examiner Dickens, AU 2855, CP4-8D32

Attached are search results.

No litigation was found in searches of Dialog, Lexis-Nexis, and Questel-Orbit databases.

If more searching or explanation is needed, please let me know.

Thanks,
Jeff Harrison
STIC-EIC2800
306-5429
CP4-9C18

A handwritten signature in black ink, appearing to read "Jeff", with a long, sweeping horizontal line extending to the right.

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File 345:Inpadoc/Fam.& Legal Stat 1968-2001/UD=200148
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Set Items Description

S1 1 PN=US 6089701

1/39/1

DIALOG(R) File 345:Inpadoc/Fam.& Legal Stat

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13869397

Basic Patent (No,Kind,Date): EP 800920 A2 19971015 <No. of Patents: 007>

Patent Family:

Patent No	Kind	Date	Applic No	Kind	Date
EP 800920	A2	19971015	EP 97105949	A	19970410
EP 1118467	A2	20010725	EP 2000127475	A	19970410
EP 800920	A3	19980805	EP 97105949	A	19970410
EP 1118467	A3	20011024	EP 2000127475	A	19970410
JP 9277520	A2	19971028	JP 9688469	A	19960410
JP 10226071	A2	19980825	JP 9783245	A	19970317

US 6089701	A	20000718	US 835748	A	19970410
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Priority Data (No,Kind,Date):

JP 9688469 A 19960410
JP 96344568 A 19961209
JP 9783245 A 19970317
EP 97105949 A3 19970410

PATENT FAMILY:

EUROPEAN PATENT OFFICE (EP)

Patent (No,Kind,Date): EP 800920 A2 19971015

INK JET RECORDING HEAD (English; French; German)

Patent Assignee: SEIKO EPSON CORP (JP)

Author (Inventor): HASHIZUME TSUTOMO (JP); TAKAHASHI TETSUJI (JP);
MATSUZAWA AKIRA (JP)

Priority (No,Kind,Date): JP 9688469 A 19960410; JP 96344568 A
19961209; JP 9783245 A 19970317

Applic (No,Kind,Date): EP 97105949 A 19970410

Designated States: (National) DE; FR; GB; IT; NL

IPC: * B41J-002/14; B41J-002/16

Derwent WPI Acc No: * C 97-491846; C 97-491846

Language of Document: English

Patent (No,Kind,Date): EP 1118467 A2 20010725

INK JET RECORDING HEAD (English; French; German)

Patent Assignee: SEIKO EPSON CORP (JP)

Author (Inventor): HASHIZUME TSUTOMO (JP); TAKAHASHI TETSUJI (JP);
MATSUZAWA AKIRA (JP)

Priority (No,Kind,Date): EP 97105949 A3 19970410; JP 9688469 A
19960410; JP 96344568 A 19961209; JP 9783245 A 19970317

Applic (No,Kind,Date): EP 2000127475 A 19970410

Designated States: (National) DE; FR; GB; IT; NL

IPC: * B41J-002/16; B41J-002/14

Derwent WPI Acc No: * C 97-491846
 Language of Document: English
 Patent (No,Kind,Date): EP 800920 A3 19980805
 INK JET RECORDING HEAD (English; French; German)
 Patent Assignee: SEIKO EPSON CORP (JP)
 Author (Inventor): HASHIZUME TSUTOMO (JP); TAKAHASHI TETSUJI (JP);
 MATSUZAWA AKIRA (JP)
 Priority (No,Kind,Date): JP 9688469 A 19960410; JP 96344568 A
 19961209; JP 9783245 A 19970317
 Applic (No,Kind,Date): EP 97105949 A 19970410
 Designated States: (National) DE; FR; GB; IT; NL
 IPC: * B41J-002/14; B41J-002/16
 Derwent WPI Acc No: * C 97-491846
 Language of Document: English
 Patent (No,Kind,Date): EP 1118467 A3 20011024
 INK JET RECORDING HEAD (English; French; German)
 Patent Assignee: SEIKO EPSON CORP (JP)
 Author (Inventor): HASHIZUME TSUTOMO (JP); TAKAHASHI TETSUJI (JP);
 MATSUZAWA AKIRA (JP)
 Priority (No,Kind,Date): EP 97105949 A3 19970410; JP 9688469 A
 19960410; JP 96344568 A 19961209; JP 9783245 A 19970317
 Applic (No,Kind,Date): EP 2000127475 A 19970410
 Designated States: (National) DE; FR; GB; IT; NL
 IPC: * B41J-002/16; B41J-002/14
 Derwent WPI Acc No: * C 97-491846
 Language of Document: English

EUROPEAN PATENT OFFICE (EP)

Legal Status (No, Type, Date, Code, Text) :

EP 800920	P	19960410	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
				JP 9688469 A 19960410
EP 800920	P	19961209	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
				JP 96344568 A 19961209
EP 800920	P	19970317	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
				JP 9783245 A 19970317
EP 800920	P	19970410	EP AE	EP-APPLICATION (EUROPAEISCHE ANMELDUNG)
				EP 97105949 A 19970410
EP 800920	P	19971015	EP AK	DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)
				DE FR GB IT NL
EP 800920	P	19971015	EP A2	PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)
EP 800920	P	19980722	EP RIN1	INVENTOR (CORRECTION) (ERFINDER (KORR.))
				HASHIZUME, TSUTOMU ; TAKAHASHI, TETSUSHI ; MATSUZAWA, AKIRA
EP 800920	P	19980805	EP AK	DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

			DE FR GB IT NL	
EP 800920	P	19980805	EP A3	SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93))
EP 800920	P	19990107	EP 17P	REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 981105
EP 800920	P	20000202	EP 17Q	FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHIED) 19991221
EP 800920	P	20010207	EP RAHF	DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) EP 2000127475 A 20001214
EP 800920	P	20010725	EP AH	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 1118467 P
EP 1118467	P	19960410	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
			JP 9688469 A	19960410
EP 1118467	P	19961209	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
			JP 96344568 A	19961209
EP 1118467	P	19970317	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) JP 9783245 A 19970317
EP 1118467	P	19970410	EP AA	DIVIDED OUT OF (AUSSCHIEDUNG AUS) EP 97105949 A3 19970410
EP 1118467	P	19970410	EP AE	EP-APPLICATION (EUROPAEISCHE ANMELDUNG) EP 2000127475 A 19970410
EP 1118467	P	20010725	EP AC	DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 800920 P
EP 1118467	P	20010725	EP AK	DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)
			DE FR GB IT NL	
EP 1118467	P	20010725	EP A2	PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)
EP 1118467	P	20011024	EP AK	DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)
			DE FR GB IT NL	
EP 1118467	P	20011024	EP A3	SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93))

JAPAN (JP)

Patent (No,Kind,Date): JP 9277520 A2 19971028

INK JET PRINTER HEAD AND PREPARATION OF INK-JET PRINTER HEAD (English)

Patent Assignee: SEIKO EPSON CORP

Author (Inventor): MATSUZAWA AKIRA

Priority (No,Kind,Date): JP 9688469 A 19960410

Applic (No,Kind,Date): JP 9688469 A 19960410

IPC: * B41J-002/045; B41J-002/055; B41J-002/16

Derwent WPI Acc No: * C 97-491846

Language of Document: Japanese

Patent (No,Kind,Date): JP 10226071 A2 19980825

INK-JET TYPE RECORDING HEAD (English)

Patent Assignee: SEIKO EPSON CORP

Author (Inventor): HASHIZUME TSUTOMU; MATSUZAWA AKIRA; TAKAHASHI TETSUJI

Priority (No,Kind,Date): JP 9783245 A 19970317; JP 96344568 A 19961209

Applic (No,Kind,Date): JP 9783245 A 19970317

IPC: * B41J-002/045; B41J-002/055; B41J-002/16

Derwent WPI Acc No: * C 97-491846

Language of Document: Japanese

UNITED STATES OF AMERICA (US)

Patent (No,Kind,Date): US 6089701 A 20000718

INK JET RECORDING HEAD HAVING REDUCED STRESS CONCENTRATION NEAR THE BOUNDARIES OF PRESSURE GENERATING CHAMBERS (English)

Patent Assignee: SEIKO EPSON CORP (JP)

Author (Inventor): HASHIZUME TSUTOMU (JP); TAKAHASHI TETSUSHI (JP); MATSUZAWA AKIRA (JP)

Priority (No,Kind,Date): JP 9688469 A 19960410; JP 96344568 A 19961209; JP 9783245 A 19970317

Applic (No,Kind,Date): US 835748 A 19970410

National Class: * 347070000

IPC: * B41J-002/045

Derwent WPI Acc No: * C 97-491846

Language of Document: English

UNITED STATES OF AMERICA (US)

Legal Status (No,Type,Date,Code,Text):

US 6089701	P	19960410	US AA	PRIORITY (PATENT)
			JP 9688469 A	19960410
US 6089701	P	19961209	US AA	PRIORITY (PATENT)
			JP 96344568 A	19961209
US 6089701	P	19970317	US AA	PRIORITY (PATENT)
			JP 9783245 A	19970317
US 6089701	P	19970410	US AE	APPLICATION DATA (PATENT)
			(APPL. DATA (PATENT))	
			US 835748 A	19970410
US 6089701	P	20000718	US A	PATENT
US 6089701	P	20010313	US RF	REISSUE APPLICATION FILED
			(REISSUE APPL. FILED)	20001222

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Jul. 18, 2000

Ink jet recording head having reduced stress concentration near the boundaries of pressure generating chambers

REISSUE: Reissue Application filed Dec. 22, 2000 (O.G. Mar. 13, 2001) Ex. Gp.: 2853; Re. S.N. 09/742,393**INVENTOR:** Hashizume, Tsutomu, Nagano, Japan
Takahashi, Tetsushi, Nagano, Japan
Matsuzawa, Akira, Nagano, Japan**ASSIGNEE-AT-ISSUE:** Seiko Epson Corporation, Tokyo, Japan (03)**APPL-NO:** 835,748**FILED:** Apr. 10, 1997**FOR-PRIOR:**Apr. 10, 1996 Japan 8-088469
Dec. 9, 1996 Japan 8-344568
Mar. 17, 1997 Japan 9-083245**INT-CL:** [7] B41J 2#045**US-CL:** 347#70**CL:** 347**SEARCH-FLD:** 347#68, 70, 71, 72**REF-CITED:****U. S. PATENT DOCUMENTS**

4,296,421	10/1981 *	Hara et al.	347#68
4,516,140	5/1985 *	Durkee et al.	347#71
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5,459,501	10/1995 *	Lee et al.	347#68
5,872,583	2/1999 *	Yamamoto et al.	347#71

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0572230	12/1993 *	European Patent Office (EPO)	
0698490	2/1996 *	European Patent Office (EPO)	
4443254	12/1995 *	Federal Republic of Germany	
3-65350	3/1991 *	Japan	347#68
5-504740	7/1993 *	Japan	B41#J216
5-286131	11/1993 *	Japan	B41#J2045

09/742,393

Current session 11/12/2001

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PN - US 6089701 [US6089701]

AP - US 835748/97 19970410 [1997US-0835748]

DT - US-P

ACT - 19970410 US/AE-A
APPLICATION DATA (PATENT)
US 835748/97 19970410 [1997US-0835748]

20000718 US/A
PATENT

20010313 US/RF
REISSUE APPLICATION FILED
20001222

UP - 2001-12

1 / 1 CRXX - ©CLAIMS/RRX

AN - 3353637

PN - 6,089,701 A 20000718 [US6089701]

PA - Seiko Epson Corp JP

PT - M (Mechanical)

ACT - 20001222 REISSUE REQUESTED
ISSUE DATE OF O.G.: 20010313
REISSUE REQUEST NUMBER: 09/742393
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2853

Reissue Patent Number:

UP - 2001-11

UACT - 2001-03-13

Dec 11, 2001

1 / 1 PAST - ©PAST

AN - 200111-001339
PN - 6089701 A [US6089701]
DT - A (UTILITY)
OG - 2001-03-13
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